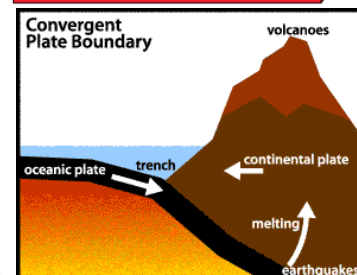
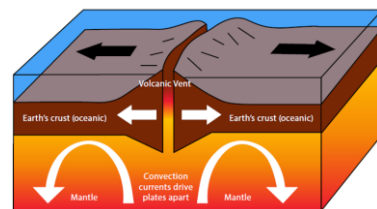
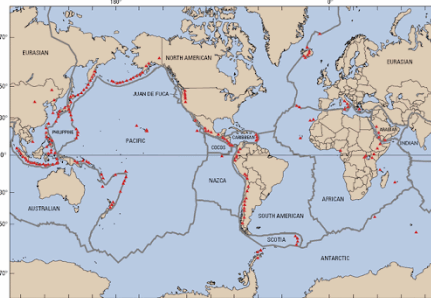


Volcanoes of the World

FORMATION OF VOLCANOES

- Volcanoes are mostly located in intensely folded or faulted regions specially along plate margins, where crustal plates are either moving towards or away from one another:
- **Constructive margin** - this is where two plates move away from one another. Magma rises up to fill the gaps in between.
- **Destructive margin** - this is where two plates move towards one another. The oceanic crust sinks beneath continental crust at a subduction zone - a point where one crustal plate is forced beneath another. As the oceanic crust sinks into the mantle it creates magma, which rises to form a volcano.

- The Ring of Fire is also referred to as the **Circum-Pacific Belt**.
- It is a path along the Pacific Ocean.
- It is characterized by active volcanoes and frequent earthquakes.
- The majority (two-third) of Earth's volcanoes are located along the Ring of Fire.
- The Ring of Fire is stretched to approximately 40,000 kilometers (24,900 miles).
- The chain runs up along the western coast of South and North America, crosses over the Aleutian Islands in Alaska, runs down the eastern coast of Asia past New Zealand and into the northern coast of Antarctica.
- Bolivia, Chile, Ecuador, Peru, Costa Rica, Guatemala, Mexico, United States, Canada, Russia, Japan, Philippines, Papua New Guinea, Indonesia, Australia, New Zealand and Antarctica are some of the important places located in the ring of the fire.



RING OF FIRE

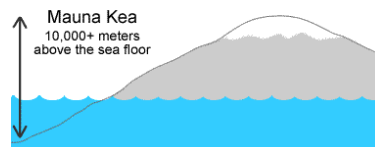


- **Tamu Massif is the most massive volcano. Mauna Kea is the tallest. Ojos del Salado is the highest.**

- **Mauna Kea: The Tallest Volcano (from base to summit) – Hawaii Islands, US**

- **Ojos del Salado/ Nevado Ojos del Salado : Highest volcano above sea level and the highest peak in Chile (South America)**

Mauna Kea is the TALLEST MOUNTAIN
(height is measured from the base to the summit)



- Stromboli is known as 'the Lighthouse of the Mediterranean'.
- Mount Erebus is an active volcano in Antarctica and the southernmost active volcano on Earth.
- Barren Island located in the Andaman Sea is the only confirmed active volcano in the Indian subcontinent.
- Narcondam Island located in the Andaman Sea is a dormant volcano in the Indian subcontinent.
- Wolf Volcano - tallest mountain in the Galapagos islands, Ecuador, South America

S. No.	Volcano	Location
1.	Mount Krakatoa	Indonesia
2.	Mount Merapi	Indonesia
3.	Mount Semeru	Java, Indonesia
4.	Mount Agung	Bali, Indonesia
5.	Mount Kerinci	Sumatra, Indonesia
6.	Mount Rinjani	Lombok, Indonesia
7.	Mount Tambora	Indonesia

Asia

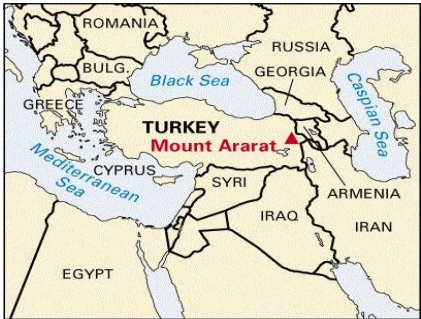


Asia

S. No.	Volcano	Location
8.	Mount Fujiyama	Japan
9.	Mount Unzen	Japan
10.	Sakurajima	Japan
11.	Mount Pinatubo	Philippines
12.	Mount Taal	Philippines
13.	Mount Mayon	Philippines



S. No.	Volcano	Location
14.	Mount Popa/Popa Hill	Myanmar
15.	Koh-i-Sultan	Balochistan, Pakistan
16.	Damavand	Iran
17.	Mount Ararat	Turkey



North America

S. No.	Volcano	Location
18	Mauna Loa	USA
19	Mount Rainier	Washington, USA
20	Mount Katmai	Alaska, USA
21	Mount Shasta	California, USA
22	Arenal Volcano	Costa Rica
23	Masaya	Masaya, Nicaragua
24	Popocatepetl	Mexico
25	Kīlauea	Hawaiian Islands
26	Santa Maria Volcano	Guatemala
27	Volcán de Fuego	Guatemala



South America

S. No.	Volcano	Location
28	Cotopaxi	Ecuador
29	Volcan Sangay	Ecuador
30	Chimborazo	Ecuador
31	Ojos del Salado	Argentina and Chile
32	Galeras	Colombia



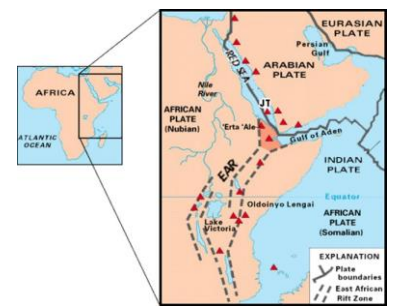
Europe

S. No.	Volcano	Location
33.	Mount Vesuvius	Italy
34.	Mount Etna	Italy
35.	Stromboli	Italy
36.	Hekla	Iceland
37.	Mount Elbrus	Russia
38.	Mount Pelee	Martinique Island (France)



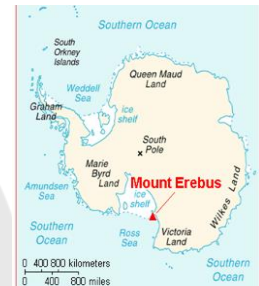
Africa

S. No.	Volcano	Location
39.	Mount Meru	Tanzania
40.	Kilimanjaro	Tanzania
41.	Mount Cameroon	Cameroon (Central Africa)
42.	Mount Kenya	Kenya
43.	Ert'a Ale	Ethiopia



Others

S. No.	Volcano	Location
44.	Mount Erebus	Ross Island (Antarctica)
45.	Mount Yasur	Tanna Island, Vanuatu



Parcham Classes